

KAMALOV, N. G., Prof.

"The Control of Ankylostomiases in the USSR," paper presented at the Joint Scientific Session held by AMS USSR and Min. of Pub. Health SSR on Problems of Regional Patholgy, 20-25 Sept 54, Tashkent, page 70.

Attachment to B-98525, 30 Jul 56

In U. Of Cal. Library

OKROPIRIDZE, V.I.; KAMALOV, N.G.

Training personnel in the Department of Tropical Diseases of  
the Tbilisi Institute of Medical Refresher Courses during the  
20 year period (1933-1952). Med.paraz.i paraz.bol. no.1:91-92  
Ja-Mr '54. (MLRA 7:3)  
(Tiflis--Medicine--Study and teaching) (Study and teaching--  
Medicine--Tiflis) (Tropics--Diseases and hygiene)

Translation M-108, 21 Jan 55

KAMALOV, N. G. Prof.

"Plan for the Liquidation of Ancylostomiasis as a Mass Disease in the USSR, and Plans for Liquidating the Foci of Ancylostomiasis in Mines and Rural Areas" a paper read at the All-Union Conference for Combating Parasitic Diseases held in Moscow, 10-11 Apr 1956.

Sum 1239

KAMALOV, N.G., professor

"Principal helminthiasis of man and their prevention." Z.G.Vasil'-  
kova. Reviewed by N.G.Kamalov. Sov. med. 20 no.2:93-94 F '56.  
(MLRA 9:7)

(WORMS, PARASITIC AND INTESTINAL)  
(VASIL'KOVA, Z.G.)

KAMALOV, N.G.

Present state of the fight against ancylostomiasis and arrangements  
for planning its elimination. Med.paraz. i paraz.bol. 25 no.3:  
215-219 J1-S '56. (MIRA 9:10)

1. Iz kafedry epidemiologii Tbilisskogo instituta usovershenstvova-  
niya vrachey (sav. kafedroy - prof. N.G.Kamalov)  
(HOOKWORM INFECTION, prevention and control,  
in Russia, ancylostomiasis (Rus))

KAMALOV, N.G.

Study of ancylostomiasis in Georgia. Med.paraz.i paraz.bol. 26  
no.6:691-695 N-D '57. (MIRA 13:4)

1. In kafedry epidemiologii Tbilisskogo instituta usovershenstvovaniya vrachey (zaveduyushchiy kafedroy - prof. N.G. Kamalov).  
(GEORGIA--HOOKWORM DISEASE)

KAMALOV, N. G.

"Importance of the environment in the distribution of gip-helminthoses and measures of its sanitary amelioration."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

KAMALOV, N.G. (Tbilisi)

Activities in the field of medical parasitology in the Korean People's  
Republic. Med.paraz. 1 paraz.bol. 28 no.4:498-501 JI-Ag '59.

(MIRA 12:12)

(PARASITOLOGY)



KAMALOV, N.G.; BUGIANISHVILI, Sh.M.

Ways of eliminating ancylostomiasis in the mines of the U.S.S.R.  
Med.paraz.i paraz.bol. no.3:263-268 '61. (MIRA 14:9)

1. Iz kafedry epidemiologii Tbilisskogo instituta usovershenstvovaniya vrachev (sav. kafedroy - prof. N.I. Kamalov).  
(HOOKWORMS) (MINERS--DISEASES AND HYGIENE)

KURASHVILI, B.Ye., otv. red.; BARATASHVILI, T.A., red.;  
GODERDZISHVILI, G.I., red.; GORDADZE, G.N., red.;  
ELIAVA, I.Ya., red.; ZENAYSHVILI, P., red.; KAMALOV,  
N.G., red.; CHUBABRIYA, I.T., red.; AVALIANI, N.M., red.  
Izd-va; BOKERIYA, E.N., tekhn. red.

[Materials of the Scientific Session of Helminthologists of  
the Transcaucasian Republics on Problems of Helminthofauna  
and Control of Helminthiasis in Man, Farm Animals and  
Plants] Materialy Nauchnoi sessii gel'mintologov respublik  
Zakavkaz'ia po voprosam gel'mintofauny i bor'by s gel'minto-  
zami cheloveka, sel'skokhoziaistvennykh zhivotnykh i raste-  
nii, Tiflis, 1961. Tbilisi, Izd-vo AN Gruz.SSR, 1963. 220 p.

(MIRA 16:11)

1. Nauchnaya sessiya gel'mintologov respublik Zakavkaz'ya  
po voprosam gel'mintofauny i bor'by s gel'mintozami chelo-  
veka, sel'skokhozyaystvennykh zhivotnykh i rasteniy, Tiflis,  
1961.

(Transcaucasia—Helminthology)

KAMALOV, N.M., aspirant

Late results of an investigation of the morphological composition of peripheral blood and medullary hemopoiesis following treatment of visceral leishmaniasis in children. Nauch. trudy SamMI 23:43-48 '63 (MIRA 17:3)

1. Iz kliniki fakul'tetskoy terapii i kliniki detskikh bolezney Samarkandskogo meditsinskogo instituta.

KAMALOV, N.M., aspirant

Dynamics of the changes in the cytological composition of the bone marrow and the peripheral blood during treatment of visceral leishmaniasis in children. Med. zhur. Uzb. no.5:45-48 My '61.

(MIRA 14:6)

1. Iz kliniki fakul'tetskoy terapii (zav. - prof. N.A.Mirzoyan)  
i kliniki detskikh bolezney (zav. - dotsent B.Kh.Karakhodzhayev)  
Samarkandskogo gosudarstvennogo meditsinskogo instituta imeni  
I.P.Pavlova.

(MARROW)

(BLOOD)

(KALA-AZAR)

KAMALOV, N.M., kand. med. nauk

Docent Z.B. Ablakulova. Vop. kur., fizioter. i lech. fiz.  
kul't. 29 no.1:89 '64. (MIRA 17:9)

RYABIN'KIY, Bronislav Yakovlevich; BERLYAND, S.S., inzh., retsenzent; GKRA-SIMENKO, V.P., inzh., retsenzent; GRUDSKIY, Ya.B., inzh., retsenzent; DASHNEVSKIY, Ya.I., inzh., retsenzent; DVORIN, S.S., inzh., retsenzent; KAMALOV, O.M., inzh., retsenzent; KARPMAN, M.A., inzh., retsenzent; KASHCHENKO, D.S., inzh., retsenzent; KOROLEV, M.N., inzh., retsenzent; KORSAKOV, A.A., inzh., retsenzent; LISENKO, T.P., inzh., retsenzent; PEKELIS, I.B., inzh., retsenzent; REVIYAKIN, A.A., inzh., retsenzent; ROMANOVICH, N.D., inzh., retsenzent; PRIYMAK, I.A., prof., red.; AVRUTSKAYA, R.F., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[Planning and economics of metallurgical plants] Planirovanie i ekonomika metallurgicheskikh zavodov. Izd.2., dop. i perer. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tevetnoi metallurgii, 1960. 736 p. (MIRA 13:2)

(Metallurgical plants)

KAMAI.OV, O.M.

Resolutions of the September Plenum of the Central Committee of  
the CPSU should be carried out. Stal' 25 no.12:1065-1068 D '65.  
(MIRA 18:12)

L. Zamestitel' direktora i glavnyy ekonomist metallurgicheskogo  
savoda "Serp i molot".

KAMALOV, R. G.

Epp.  
.892450

LEYKIN, V. YE. Opyt Ekspluatatsii Martenovskikh Pechey S Magnazitokhromitovymi Svodami (Experience in the Exploitation of Martin Furnaces with Magnesium-chromite Crowns , by) V. Ye. Leykin and R. G. Kamalov. Moskva, Metn lurgizdat, 1955.

47 p. illus., diagrs., tables.

at head of title: Peredovyye Metody Truda



LEYKIN, Veniamin Yefimovich; KAMALOV, Rafael' Galiyevich; KORNPEL'D, V.N.,  
redaktor; YABLONSKAYA, L.V., redaktor; EVENSON, I.M., tekhnicheskii  
redaktor..

[Experience in operating open-hearth furnaces with magnesite-  
chromite crowns] Opyt ekspluatatsii martenovskikh pechei s magne-  
zitekhromitovymi zvedami. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry  
po cherno i tsvetnoi metallurgii, 1956. 47 p. (MLRA 9:4)  
(Chelyabinsk--Open-hearth furnaces)

ROMENETS, V.A.; KAMALOV, R.G.

Analyzing the assortment of steel produced in large electric  
arc furnaces. Izv. vys. ucheb. zav.; chern. met. 8 no.11:183-  
192 '65. (MIRA 18:11)

1. Moskovskiy institut stali i splavov.

KAGAN, Ya.M.; KAMALOV, R.R.; ANTROPOV, A.D.; KNYSHENKO, G.N.

Density of the gas oil mixture in the annular space of wells  
equipped with sinking centrifugal pumps. Nefteprom. delo  
no.8:14-17 '64. (MIRA 17:12)

1. TSekh nauchno-issledovatel'skikh i proizvodstvennykh rabot  
neftpromyslovoye upravleniya "Aksakovneft".

ISANGULOV, K.I.; KAGAN, Ya.M.; IVANOV, G.N.; KAMALOV, H.R.

- Using electric sinking pumps in wells with damaged production casing. Nefteprom. delc. no.4:11-12 '64.

(MIRA 17:6)

1. Neftepromyslovoye upravleniye "Aksakovneft".

KAGAN, Ya.M.; FOMIN, A.S.; ISANGULOV, K.I.; KAMALOV, R.R.

Investigating the effect of the magnetic field on paraffin deposition. Nefteprom. delo no.7:13-16 '63. (MIRA 17:2)

1. Neftepromyslovoye upravleniye "Aksakovneft".

GELLER, B.E.; KAMALOV, S.; DAUTOVA, F.M.

Coagulation processes occurring during carbochain fiber forming.  
Khim. volok. no.5:5-9 '63. (MIRA 16:10)

1. Tashkentskiy tekstil'nyy institut.

L 32923-66 EWT(m)/EWP(j)/T RM/WW  
(A)

SOURCE CODE: UR/0183/66/000/001/0009/0010

ACC NR: AP6017599

33  
32

AUTHOR: Kamalov, S. K.; Pyrkov, L. M.; Batrakova, T. V.; Sheremeteva, T. V.

ORG: IVS AN SSSR

TITLE: Effect which amidocitraconic acid and its N-alkyl derivatives have on the structural and mechanical properties of nitron fiber

SOURCE: Khimcheskiye volokna, no. 1, 1966, 9-10

TOPIC TAGS: aliphatic dicarboxylic acid, alkyl radical, synthetic fiber, polyacrylonitrile, plasticizer

ABSTRACT: The authors study the strength of fibers as a function of their previous history and various structural parameters, in particular the overall orientation evaluated by isotrometric heating. The fibers tested were pure polyacrylonitrile containing 4 mol.% N-ethylamide of citraconic acid. Temperature-stress curves are given for isothermal heating of fibers subjected of identical plastification stretching and of fibers with identical strength but different compositions and molecular weights. Curves are also given showing the modulus of elasticity of the fibers as a function of temperature. Overall fiber orientation (determined from the maximum on the isothermal heating curves) increases in polyacrylonitrile fibers of equal strength as the concen-

UDC: 677.742.2

Card 1/2

BATRAKOVA, T.V.; SHEREMET'YEVA, T.V.; KAMALOV, S.K.; PYRKOV, L.M.

Production of fiber-forming materials on the base of acrylonitrile copolymers with N-alkyl derivative amides of citraconic and maleic acid. Khim. volok. no.6:17-19 '65. (MIRA 18:12)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.  
Submitted October 10, 1964.



KAMALOV, S. K.

USSR/Technical Crops. Oil Plants. Sugar Plants,

M

Abs Jour: Ref Zhur-Diol., No 17, 1958, 77751.

Author : Kamalov, S.K.

Inst :

Title : Perspectives of Further Development of Cotton Growing  
in the Uzbek SSR and Tasks of Agricultural Science.

Orig Pub: V sb.: Materialy Ob"yedin. nauchn. sessii po  
khlopkovodstvu, T.I. Tashkent, Gosizdat. UzSSR,  
1958, 59-70.

Abstract: No abstract.

Card : 1/1

L 37203-66 EWT(m)/EWP(j)/T IJP(c) WW/RM/JWD  
ACC NR: AP6012416 (A) SOURCE CODE: UR/0183/65/000/006/0017/0019

AUTHOR: Batrakova, T. V.; Sheremet'yeva, T. V.; Kamalov, S. K.;  
Pyrkov, L. M.

ORG: IVS AN SSSR

TITLE: Preparation of fiber-forming materials based on acrylonitrile  
copolymers with N-alkyl amides of citraconic and maleic acids

SOURCE: Khimicheskiye volokna, no. 6, 1965, 17-19

TOPIC TAGS: synthetic fiber, acrylonitrile, copolymerization, chemical reaction, tensile strength

ABSTRACT: New copolymers of acrylonitrile with unsubstituted and with N-substituted monoamides of citraconic and maleic acids were synthesized and characterized. Copolymerizations were in aqueous media using oxidation-reduction initiators. The monoamides copolymerize with acrylonitrile in different molar ratios; their activity is greater than the activity of pure acrylonitrile since resultant copolymers were richer in monoamide than the composition of the initial mixture. Fibers formed from the copolymers were stronger than polyacrylonitrile fibers.

UDC: 677.494.745.32

Card 1/2

L 37203--66

ACC NR: AP6012416

ACC NR: AP6012416

Fibers formed when castor oil was used in the hardening bath had higher strength indices than fibers formed in a 40% aqueous dimethylformamide solution. Greatest strength was obtained in compositions containing 4-5 mol% of the second component, regardless of the substituent at the amide nitrogen. Orig. art. has: 3 tables and 1 figure.

ORIG REF: 003/ OTH REF: 001

SUB CODE: 07.11/ SUBM DATE: 100ct64/ ORIG REF: 003/ OTH REF: 001

Card 2/2/11C12

L 37646-66 EWT(m)/EWP(j)/T RM

ACC NR: AP6011237 (A), SOURCE CODE: UR/0413/66/000/006/0075/0075

INVENTOR: Yerusalimskiy, B. L.; Kulevskaya, I. V.; Kamalov, S. K.;  
Frenkel', S. Ya.

ORG: none

TITLE: Preparation of polyacrylonitrile, Class 39, No. 179925  
[announced by the Institute of High-Molecular Compounds, AN SSSR  
(Institut vysokomolekulyarnykh soyedineniy AN SSSR)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki,  
no. 6, 1966, 75

TOPIC TAGS: polyacrylonitrile, acrylonitrile, polymerization

ABSTRACT: This Author Certificate introduces a method of preparing  
polyacrylonitrile by polymerization of acrylonitrile in a hydrocarbon  
solvent at about -75°C in the presence of organomagnesium catalysts.  
To extend the variety of organomagnesium catalysts, complexes of  
magnesium alkyl halides or magnesium alkyls with dimethylsulfoxide  
are suggested. [LD]

SUB CODE: 11,07/ SUBM DATE: 13Feb65,

Card 1/1 vmb

UDC: 678.745.32

KAMALOV, Sh.

Seasonal synusia of the nut and fruit forests in the upper  
Chirchik Valley and the dynamics of their development. Uzb.  
biol. zhur. 9 no.4:39-41 '65. (MIRA 18:10)

1. Institut botaniki AN UzSSR.

VERNIK, R.S.; KAMALOV, Sh.

Nut forests of the Kaynarsay area of Bostandyk District. Uzb.  
biol.shur. no.1;20-26 '60. (MIRA 13:6)

1. Institut botaniki AN UzSSR.  
(BOSTANDYK DISTRICT--NUT TREES)

KAMALOV, Sh.

Means of improving the reproduction of walnut by seed in Bostan-  
dykskiy District. Vop.biol. i kraev.med. no.3:32-37 '62. (MIRA 16:3)

(BOSTANDYKSKIY DISTRICT--WALNUT)

KAMALOV, S.Yu.

Echinococcosis of the lungs and of the right kidney. Sov.med. 17 no.8:38  
Ag '53. (MLRA 6:8)

1. Khirurgicheskoye otdeleniye bol'nitsy Turkestanского rayona Yuzhno-  
Kazakhstanskoy oblasti Kazakhskoy SSR. (Lungs--Hydatids) (Kidneys--  
Hydatids)



ASHUROV, Ya.S.; GELAKH, T.F.; KAMALOV, U.Kh.; KOCHEROV, V., red.;  
NAMAZOV, D.N., kand. ekon. nauk, red.; BAKHTIYAROV, A.,  
tekhn. red.

[Bukhara; concise guidebook] Bukhara; kratkii spravochnik.  
Izd.3., ispr. i dop. Pod obshchei red. D.N.Namazova.  
Tashkent, Gos.izd-vo Uzb.SSR, 1963. 107 p. (MIKA 16:12)  
(Bukhara--Guidebooks)

KONDRASHEV, A.I.; KAMALOV, V.A.; GURZHIYENKO, K.F.

Improving the heat treatment of rolls used in cold rolling. Sbor.

Novo-Kram.mashinostroi.zav. no.5:70-83 '59.

(MIRA 16:12)

S/148/60/000/003/016/018  
A161/A029

AUTHORS: Braun, M.P.; Vinokur, B.B.; Kamalov, V.A.

TITLE: Hardenability of Niobium-Alloyed Steel 4

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. - Chernaya metallurgiya,  
1960, No. 3, pp. 140 - 146

TEXT: Data of existing literature sources (Refs. 1 - 13) on the effect of niobium on the hardenability of steel are briefly reviewed and the results of the authors' experiments are given. In a Soviet work (Ref. 9) it has been stated that niobium is, along with molybdenum, the element producing the strongest effect on the atomic bond in the  $\alpha$ -iron grid. This is confirmed by a comparison of the mechanical properties of steel alloyed additionally with niobium, molybdenum or tungsten. Two tables (Table 1 and 2) give the chemical composition and the mechanical properties (after quenching in oil from 860-880°C and tempering in 650°C with cooling in air) of the steel grades 35X~~H~~<sup>18</sup> (35KhN), 35X~~H~~<sup>18</sup> (35KhNB), 35X~~HM~~<sup>18</sup> (35KhNM), 35X~~HB~~<sup>18</sup> (35KhNV), 35X~~TH~~<sup>18</sup> (35KhGN), 35X~~TH~~<sup>18</sup> (35KhGNB), 35X~~THM~~<sup>18</sup> (35KhGNM), 35X~~THB~~<sup>18</sup> (35KhGNV), 25X~~TC~~<sup>18</sup> (25KhGSN), 25X~~TC~~<sup>18</sup> (25KhGSE) and 25X~~TCB~~<sup>18</sup> (25KhGSV). M.P. Braun and B.B. Vinokur (Refs. 10, 11) proved that niobium raises the viscosity, reduces annealing brittleness and cold brittleness. The authors have investigated the hardenability

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S/148/60/000/003/016/018  
A161/A029

# Hardenability of Niobium-Alloyed Steel

of 9X2M (9Kh2M) steel used for rolls of cold rolling mills, and compared the obtained data with the results of Reference 13 stating that the hardenability raises with increasing content of alloying elements, particularly when several carbide-forming elements are used. It was found that for vanadium steel the quenching temperature limit is 930-950°C, and for niobium-containing steel 1,100 - 1,150°C. It is mentioned that rolls with different niobium content are being tested in cold rolling mills. The following general conclusions are drawn: 1) Niobium raises the stability of overcooled austenite in isothermic soaking and in continuous cooling in a degree which rises with the niobium content. 2) Steel additionally alloyed with niobium has higher strength and plasticity. The mechanical properties of steel with niobium are high, and after improvement they are near the properties of steel containing molybdenum and tungsten. 3) It is possible to increase the general toughness of steel and at the same time reduce its tendency to annealing brittleness and cold brittleness by means of a properly chosen chemical composition and a certain niobium content. 4) Addition of niobium to steel containing weak carbide-producing elements improves the mechanical properties and the hardenability; the hardenability can be as high as in tungsten steel. 5) The "butt-end method" of testing has proven that the hardenability of 9Kh2M steel is higher when additionally alloyed with niobium than with vanadium. There are 5

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Hardenability of Niobium-Alloyed Steel

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figures, 4 tables and 13 references: 9 Soviet, 1 German, 3 English.

Table 1

Chemical Composition of Structural Steels in %

Steel	C	Si	Mn	Cr	Ni	S	P	Nb	Mo	W
35XH (KhN)	0.36	0.28	0.59	0.72	1.26	0.033	0.018	-	-	-
35XHБ (KhNB)	0.33	0.35	0.35	1.29	1.52	0.032	0.018	0.33	-	-
35XHM (KhNM)	0.37	0.24	0.69	1.65	1.73	0.029	0.019	-	0.29	-
35XHB (KhNV)	0.36	0.29	0.75	1.10	1.68	0.020	0.017	-	-	0.48
35XГН (KhGN)	0.39	0.35	1.48	1.15	1.30	0.030	0.025	-	-	-
35XГНБ (KhGNB)	0.36	0.30	0.99	1.01	1.58	0.018	0.018	0.10	-	-
35XГНМ (KhGNM)	0.36	0.19	1.20	1.07	1.54	0.030	0.022	-	0.28	-
35XГНБ (KhGNV)	0.37	0.24	1.25	1.06	1.57	0.029	0.020	-	-	0.52
25XГСН (KhGSN)	0.28	1.06	1.40	1.33	1.10	0.022	0.028	-	-	-
25XГСБ (KhGSB)	0.25	1.07	1.25	1.33	0.52	0.034	0.019	0.09	-	-
25XГСВ (KhGSV)	0.24	1.08	1.40	1.30	0.44	0.026	0.020	-	-	0.50

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Hardenability of Niobium-Alloyed Steel

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Table 2

The Mechanical Properties of Steels After Quenching in Oil from 860 - 880°C and Tempering at 650°C With Cooling on Air

Steel	$\sigma_b$ kg/mm <sup>2</sup>	$\sigma_s$ kg/mm <sup>2</sup>	$\delta$ %	$\psi$ %	$a_k$ kg/cm <sup>2</sup>
35XH (KhN)	65	50	15	60	6.0
35XHB (KhNB)	80	71	21	69	13.0
35XHM (KhNM)	87	76	13	60	10.2
35XHБ (KhNB)	87	75	12	63	12.9
35XГН (KhGN)	84	73	13	61	7.3
35XГНБ (KhGNB)	89	79	14	62	9.5
35XГНМ (KhGNM)	91	81	12	60	10.6
35XГНБ (KhGNB)	88	81	13	61	9.5
25XГСН (KhGSN)	80	65	20	57	10.2
25XГСБ (KhGSB)	103	92	19	60	10.1
25XГСВ (KhGSV)	90	79	19	62	11.3

ASSOCIATION: Ukrainskaya akademiya sel'skokhozyaystvennykh nauk (Ukrainian Academy  
Card 4/4 of Agricultural Sciences  
SUBMITTED: March 21, 1959

SATEL', E.A., doktor tekhn.nauk, prof., zasluzhennyi deyatel' nauki i  
tekhniki; PODURAYEV, V.N., kand.tekhn.nauk, dotsent; KAMALOV, V.S.,  
inzh., REZBORODOV, A.M., inzh.

Engineering potentialities and the outlook for using vibratory  
turning. Vest.mash. 41 no.9:51-57 S '61. (MIRA 14:9)  
(Turning) (Vibrators).

1.1100

AUTHORS:

Satel', B.A.; Honored Scientist and Technologist,  
Doctor of Technical Sciences, Professor, Podurayev,  
V.N., Candidate of Technical Sciences, Docent,  
Kamalov, V.S., Engineer and Bezborodov, A.M.  
Engineer

28760  
S/122/61/000/009/004/009  
D298/D305

TITLE:

Technological possibilities and the prospects  
for applying vibrational machining

PERIODICAL: Vestnik mashinostroyeniya, no.9, 1961, 51-57

TEXT: When high alloy tenacious steel (including heat-resis-  
ting and rustproof alloys) is machined, the shavings emerge,  
as a rule, in compact pieces. Such shavings complicate the  
operation of automatic metal-cutting machines; subsequent re-  
moval and transporting of shavings and their processing are  
difficult. The methods used at present for breaking them are

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Technological possibilities ...

not universal and reliable. For this reason, the method of vibrational machining has been chosen, as it ensures reliable and stable breaking of shavings irrespective of the materials used. The authors analyze in detail this method and give pertinent diagrams and layouts for it. Particular attention is devoted to the process of machining when vibrations are applied in the direction of the work piece feed. In Figure 1 a layout of a hydraulic vibration support is given; this device permits regulating the vibration frequencies and amplitudes. To excite the vibration a hydraulic motor, type *ГГ-83* (GG-V3) and a DC electric motor with transformer *ГЗ-83* (GE-V3) can be used. For laboratory research, vibrators *ГГ-В* and *ГЗ-В* (GG-V and EG-V) are used. They are provided with an auto-vibrating mechanical support having the following characteristics: Vibration frequency 20-100 hertz; vibration amplitude 0.05-1.00 mm. The advantages of this support, as compared to other designs, are

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Technological possibilities ...

<sup>28160</sup>  
S/122/61/000/009/004/009  
D298/D305

enumerated by the authors as follows: 1) It breaks the shavings formed during the process of machining. 2) It permits decreasing cutting forces and the temperature in the zone of cutting. 3) It enables diminishing the action of plastic deformation. 4) It permits shifting phases between the work piece and the instrument front angle. 5) It contributes to the appearance of local fatigue in the work piece. 6) It improves working conditions due to diminishing loads on the instrument cutting edge. When vibration amplitude is equal to the feed value per turn, the average temperature during the cutting drops by 25%. An important role is played by the intensification of fatigue determined by variable angles of cutting. When vibration frequency attains a supersonic value, the cutting speed may be considerably increased. There are 10 figures and 10 Soviet-bloc references. X

Card 3/4

L 20798-65 EMT(d)/EMT(m)/EMP(w)/EMA(d)/EMP(v)/T/EMP(t)/EMP(k)/EMP(b)/EMP(b)/  
 EMP(l) Pr-4 AEDG(b) MJW/JD  
 ACCESSION NR: AR4047533 S/0277/64/000/008/0008/0009

SOURCE: Ref. zh. Mashinostr. mat., konstr. i raschet detal. mash.  
 Otd. vyyp., Abs. 8.48.57

AUTHOR: Pilyushenko, V. L.; Kondrashov, A. I.; Tutov, I. Ye.;  
 Savukov, V. P.; Gurozhiyenko, K. P.; Kamalov, V. Z.

TITLE: High strength steel for hydraulic presses

CITED SOURCE: Sb. Legirovaniye staley. Kiev, Gostekhnizdat USSR,  
 1/43, 20-32

TOPIC TAGS: high strength metal, steel, hydraulic press/ steel KhMFN,  
 steel 25Kh2MFN, steel 5KhNM

TRANSLATION: Work has been carried out in the central laboratory of  
 the NKMZ in collaboration with TsNIITMash in searching for a new  
 high strength steel based on steel KhMFN. Evaluation of the proper-  
 ties of the steel was based on results of mechanical tests at 20,  
 350, and 450°. Steel 25Kh2MFN has the highest combination of  
 strength and ductility properties. At test temperatures of 450 and

Card 1/2

L 20798-65

ACCESSION NR: AR4047533

500° it has higher mechanical properties than steel 5KhNM. Holding for 500 and 1000 hours at a temperature of 450° practically does not lead to lowering of strength and ductility properties at temperatures of 20° and 450°, regardless of type of heat treatment. In tests for wear, erosion resistance, and long term strength under a cyclical load, steel 25Kh2MFN showed greater resistance to wear and greater strength under a cyclical load at a temperature of 450° than steel 5KhNM. Tables are given showing the results of an investigation of the effect of heat treatment on the mechanical properties of steel. 8 tables.

SUB CODE: MM

ENCL: 00

Cont 2/2

KONDRASHEV, A.I., inzh.; KAMALOV, V.Z., inzh.; Pilyushenko, V.L.,  
inzh.

Hardening of large-diameter supporting rolls. Mashinostroenie  
no.4:71-72 JL-Ag '64. (MIRA 17:10)

ZINDEL', L.A.; KAMALOV, Ya.

Mineralogical composition of clay minerals in Cretaceous sediments  
of Tyubegatan and Aulat (southwestern spurs of the Gissar Range).  
Uzb. geol. zhur. 7 no.4:47-50 '63. (MIRA 16:10)

1. Institut geologii i razrabotki neftyanykh i gazovykh  
mestorozhdeniy AN UzSSR.  
(Gissar Range region--Clay--Analysis)

KAMALOVA, A. G.

Kamalova, A. G. - "Processing and comparative evaluation of methods of determining the viability of the eggs of taeniae", (Thesis of a candidate's dissertation), Trudy Gel'mintol. laboratorii (Akad. nauk SSSR), Vol. 11, 1949, p. 230-31.

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

KAMALOVA, A. G.

Sravnitel'naya Kharakteristika Yalts Taeniarhynchus Saginatus i  
Taenia Solium, "Works on Helminthology," on the 75th Birthday of K. I.  
Skryabin, Izdat. Akad. Nauk. SSSR, Moskva, 1953, p. 276  
Republic Antimalaria Station, Abkhag ASSR.



KAMALOVA, A.G.; PIPIYA, S.S.

~~XXXXXXXXXXXXXXXXXXXX~~

Combined method of treating ascariasis. Med.paraz.i paraz.bol. no.5:404-  
407 S-O '53. (MLRA 6:12)

1. Iz gel'mintologicheskogo otdela Respublikanskoy protivomalyariynoy stantsii  
Abkhazskoy ASSR (direktor stantsii - professor P.S.Dzhaparidze, zaveduyushchiy  
otdelom A.G.Kamalova). (Worms, Intestinal and parasitic)

BUGIANISHVILI, Sh.M.; KAMALOVA, A.G.; MAKHLINA, R.M.

Treatment of necatoriasis with trichloroethylene. Med. paraz. i  
paraz. bol. 29 no. 4: 419-415 J1-Ag '60. (MIRA 13:11)

1. Iz kafedry epidemiologii (zav. - prof. N.G. Kamalov) Tbilis-  
skogo instituta usovershenstvovaniya vrachey i Respublikanskoy  
sanitarno-epidemiologicheskoy stantsii Adzharskoy ASSR (glavnyy  
vrach S.D. Avalishvili). (HOOKWORM DISEASE) (ETHYLENE)

MAKHLINA, R.M.; AVALISHVILI, S.D.; KAMALOVA, A.G.

Testing of some antihelminth preparations in ascariasis and  
necatoriasis under outpatient service conditions. Med.paraz. i  
paraz. bol. 32 no.5:623-624 S-0'63 (MIRA 16:12)

1. Iz parazitologicheskogo otdela respublikanskoy sanitarno-  
epidemiologicheskoy stantsii Adzharskoy ASSR.

KAMALOVA, G. V.

Kamalova, G. V. — "The Significance of Pollen as a Guide in the Hybridization of the Cotton Plant." Min Higher Education USSR, Central Asiatic State U imeni V. I. Lenin, Tashkent, 1955 (Dissertation for Degree of Candidate of Biological Sciences).

SO: Knizhnaya Letopis', No. 23, Moscow, June, 1955, pp. 87-104.

KAMALOVA, G. V.

USSR/Cultivated Plants. Technical Plants. Oil and M  
Sugar Bearing Plants.

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68259

Author : Kamalova, G.  
Inst : University of Central Asia.  
Title : Pollen as a Mentor in Cotton Hybridization.

Orig Pub : Tr. Sredneaz. un-ta, 1956, No 79, 117-149

Abstract : Various cotton species were investigated, as well as hollyhock, hibiscus, Deccan hemp, and Chinese rose. Forty crossbreeding variations were tested. When the "two-father" crossbreeding method is used in genetically remote hybridizations, acquisition of a large and varied material is ensured, which is distinguished by stability of heredity, beginning from

Card : 1/3

106

UZENBAYEV, Ye.Kh.; KAMALOVA, G.V.

Growth of pollen tubes from other species on the stigma of cotton  
plants. Dokl. AN Uz.SSR no.2:43-45 '59. (MIRA 12:4)

1. Institut genetiki i fiziologii rasteniy AN UzSSR. Predstavleno  
chlenom-korrespondentom AN UzSSR S.S. Sadykovym.  
(Hybridization, Vegetable) (Cotton)

KAMALOVA, G.V.

Germination of heterologous pollen in the pistil of cotton.  
Uzb. biol. zhur. 6 no.1:10-14 '62. (MIRA 15:3)

1. Institut genetiki i fiziologii rasteniy AN UzSSR.  
(COTTON BREEDING)

KAMALOVA, G.V.

Characteristics of the germination of foreign pollen and the growth of pollen tubes in cotton pistils. Agrobiologia no.4:511-514 J1-Ag '63. (MIRA 16:9)

1. Institut genetiki i fiziologii rasteniy AN Uzbekskoy SSR, Tashkent.

(Cotton breeding)



KAMALOVA, R.G.

Two cases of late rickets. Kaz.med.zhur. no.1:61-63 Ja-F'63.  
(MIRA 16:8)

1. 1-ya kafedra pediatrii (zav.-dotsent R.M.Mamish) i 2-ya  
kafedra rentgenologii i radiologii (zav. - prof. D.Ye.  
Gol'dshteyn) Karanskogo gosudarstvennogo instituta dlya  
usovershenstvovaniya vrachey imeni V.I.Lenina.  
(RICKETS)

VOL'FSON, I.S.; TELESHOVA, M.N. Prinimali uchastiye: SHEYKH-ALI, G.A.;  
KAMALOVA, R.K.; SHERGINA, E.G.; SHASHINA, A.D.

New oil field in the Tatar A.S.S.R. Khim. i tekhn. topl. i  
masel 9 no.5:29-31 5 My'64 (MIRA 17:7)

1. Tatarskiy neftyanoy nauchno-issledovatel'skiy institut.

KAMALOVA, S.I.; KHAMIDULLIN, Z.G.

Argyria as a result of the treatment of stomach ulcers with  
silver nitrate. Kaz.med.zhur. no.3:68-69 My-Je'63.

(MIRA 16: 9)

1. Kafedra khirurgii pediatricheskogo fakul'teta (zav. - prof.  
N.P.Medvedev) Kazanskogo meditsinskogo instituta.

(ARGYRIA) (STOMACH—ULCERS)

KAMALOVA, S.K.

KAMALOVA, S.K., "On the Study of the Agents<sup>t</sup> of Aneurism of the Anterior Mesentric<sup>e</sup> Artery and the Changes in the Solar Plexus Associated with it". Dissertation, Kazan, 1949.

SO: Proceedings of the All-Union Institute of Experimental Veterinary Medicine, Vol.19, No.2, 1952

KAMALIYAGIN A. F.

USSR/Radio Training  
Radio Operation

May 49

"Radio Clubs of the DOSARM (Society of Volunteers  
Assisting the Army)," A. F. Kamalyagin, 2 pp

"Radio" No 5

In 1948, more than 12,000 persons took part in  
radio-operation competitions. Title "Champion  
of the DOSARM" was awarded to F. V. Roslyakov,  
Kaliningrad, who copied 320 letters per minute.  
Through initiative of radio clubs associated  
with primary organizations of the DOSARM, 7,000  
radio circles have been set up.

44/49T99

KAMALYAGIN, A.

PA 66/49T108

USSR/Radio - Training  
Operation

Aug 49

"Problems of DOSARM Radio Clubs in Training  
Fast Radio Operators," A. Kamalyagin, 1 p

"Radio" No 8

Refers to highly successful 1949 competition for  
radio operators, and lauds radio clubs and  
DOSARM for their achievement in this respect.  
F. Roslyakov, DOSARM's two-time champion in  
receiving speed, increased his speed record from  
320 to 400 characters per minute. Various other  
competitors improved their records. Discusses  
means of producing high-quality club results.

66/49T108

KAMALYAGIN, A.

33132

Chto Konstruirovat' Na Zaochnuyu <sup>R</sup>Radiovystavku. Radio, 1949, No 10, c. 44

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

KAMALYAGIN, A. F.

(Amateur short wave radio equipment) Moskva, Gos, energ. izd-vo, 1950.  
47 p. (Massovaia radiobiblioteka, vyp.75) (51-26320)

TK9956.V8 1949g



KAMALYAGIN, A.

PA 171T96

USSR/Radio - Short-Wave Operators  
DOSARM

Sep 50

"Competition for Title of 1950 DOSARM Champion for  
Code Reception and Key Transmission," A. Kamalyagin

"Radio" No 9, pp 37-41

Describes receiving and transmitting tests required  
of candidates. Gives names and location of various  
winners, and stories of 2 DOSARM winners. Similar  
articles cover "Fourth Short-Wave Operators'  
Competition" and "Achievements of Soviet Short-Wave  
Operators."

171T96

KAMALYAGIN, A.

PA 190T101

USSR/Radio - Short-Wave  
Transmitters  
Receivers

Jun 51

"Short-Wave Equipment at the 9th All-Union  
Exhibition," A. Kamalyagin

"Radio" No 6, pp 30-32

More than 100 amateur exhibits were shown, in-  
cluding 260-w transmitter of the Stalino Club,  
100-w transmitter of the Ivanovo Club, 80-90 w  
transmitter of the Tashkent Club, a band exciter,  
and tubeless short-wave converter for the 14-m  
band.

190T101

KAMALYAGIN A.

PA 11947111

USSR/Radio - Short-Wave  
Operators

Aug 51

"Competitions for the Title of 1951 DOSARM  
Champion in Reception by Ear and Sending by Key,"  
A. Kamalyagin, Ass't Chief Judge of the Competi-  
tions

"Radio" No 8, p 37

The title of DOSARM Champion for 1951 was won by  
A. Ye. Veremey of the Moscow City Radio Club.  
Second place was awarded to A. Ye. Volkova of the  
Novosibirsk Radio Club. V. M. Somov (L'VOV

USSR/Radio - Short-Wave (Contd)

11947111  
Aug 51

Radio Club) set an All-Union record in reception  
by ear with handwritten recording of the text (240  
characters per min).

1947111

KATAYAGEN, A.

"USSR Exhibits Amateur Ultrashort-Wave Communications Equipment," Radio,  
No.9, pp 22-26, 1951

Translation K-21673, 12 Mar 52

KAMALYAGIN, A.

USSR/Electronics - Exhibitions  
Transmitters

Jul 52

"Short-Wave Transmitters at the 10th All-Union  
Exhibition," A. Kamalyagin

"Radio" No 7, pp 37-39

Description and photographs of 6 of the best  
transmitters shown at the 10th All-Union Radio  
Exhibition.

226T7

KAMALYAGIN, A.

Radio-Exhibitions

Suggestions for the participant in the 10th All-Union Exhibition of the Work of  
Amateur Radio Builders. Radio, 29, No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

redaktor: KAZANSKIY, N.; KAMALYAGIN, A.; SHUL'GIN, K.; SPIZHEVSKIY, I.,  
redaktor: ZHURAVLEV, A., tekhnicheskiiy redaktor.

[Handbook for short-wave radio operators; reference and instruction  
manual for radio amateurs] Spravochnik korotkovolnovika; spravochno-  
metodicheskoe posobie dlia radioliubitelei. Izd. 2-e, perer. i dop.  
Moskva, Izd-vo Dosaaf, 1953. 424 p. [Microfilm] (MLRA 7:11)  
(Radio, Short wave)

GRUSHETSKIY, Vadim Fedorovich; ~~KAMALYAGIN, Aleksandr Fedorovich;~~  
LITVINOV, Sergey Vladimirovich; ~~GRUKHMAN, L.A.,~~ redaktor;  
GRIGOR'YEVA, A.I., redaktor; KARIAKINA, M.S., tekhnicheskikh  
redaktor

[Beginner's book for the radio amateur] Kniga nachinalushchego radio-  
liubitelia. Moskva, Izd-vo DOSAAF, 1956. 231 p. (MLRA 9:7)  
(Radio--Amateurs' manuals)



KAMALYAGIN, A. (UA41F), sud'ya vsesoyuznoy kategorii (Kuybyshev)

Contest regulations should be revised. Radio no.12:16-17 D '58.  
(Radio, Shortwave--Competitions) (MIRA 11:12)

BURDEYNYI, Fedor Ivanovich (UA3-1); KAZANSKIY, Nikolay Valentinovich  
(UA3AP); KAMALYAGIN, Aleksandr Fedorovich (UA41F); SHUL'GIN,  
Konstantin Aleksandrovich (UA3DA); VASIL'YEV, A.A., red.;  
TROITSKIY, L.V., red.; KARYAKINA, M.S., tekhn.red.

[Shortwave radio manual; reference manual and methods aid  
for radio amateurs] Spravochnik korotkovolnovika; spravochno-  
metodicheskoe posobie dlia radiolubitelei. Izd.3., perer. i  
dop. Moskva, Izd-vo DOSAAF, 1959. 479 p. (MIRA 13:1)  
(Radio, Shortwave)

KAMALYAGIN, A. (UA41F) (Kuybyshev)

Reception of single sideband transmission. Radio no. 11:31-32  
N '60. (MIRA 14:1)  
(Radio, Shortwave—Receivers and reception)

KAMALYAGIN, A. (UA4IF)

Class I transmitter. Radio no.1:18-20 Ja '66.

(MIRA 19:1)

BUNYATYAN, G.Kh.; ~~KAMALYAN, G.V.~~

The joint effect of colamine and ascorbic acid on the self-oxidation of fats. Nauch.trudy Inst.fiziol.AN Arm.SSR. 1:73-79 '48.

(ETHANOL) (ASCORBIC ACID) (OILS AND FATS) (VITAMINS--A) (MLRA 9:8)

KAMALYAN, G. V.

Kamalyan, G. V. "The action of colamine on the autooxidation of fats of animal origin and vitamin A", Nauch. trudy (Akad. nauk Arm. SSR, In-t fiziologii), I, 1948 (Running title: 1947), p. 181-91, (Resume in Armenian).

SO: U-3261, 10, April 53, (Letopis 'Zhurnal 'nykh Statey, No. 11, 1949).

BUNYATYAN, G.Kh.; KAMALYAN, G.V.

Joint effect of uric and ascorbic acids on the self-oxidation of  
fats and vitamin A. Nauch.trudy Inst.fiziol.AN Arm.SSR. 1:81-89  
'48. (MLRA 9:8)  
(URIC ACID) (ASCORBIC ACID) (OILS AND FATS) (VITAMINS--A)

KAMALYAN, G. V.

Bunyatyan, G. Kh. and Kamalyan, G. V. "The joint action of uric and ascorbic acids on the autooxidation of fats and vitamin A", Nauch. trudy (Akad. nauk Arm. SSR, In-t fiziologii), I, 1948, (Running title: 1947), p. 81-39, (Resume in Armenian), - Bibliog: 16 items.

SO: U-3261, 10 April, 53, (Letopis 'Zhurnal 'nykh Statey, No. 11, 1949).



KAMALYAN, G. V.

USSR/Medicine - Colamine (Cont'd)  
in conjunction with colamine intensifies autooxidation  
activity of latter, and reduces oxidizing activity  
of colamine-copper combination. Fact may be of use  
in preserving Vitamin A in fats and preventing auto-  
oxidation. Submitted 4 May 47.

Mar/Apr 48

3/19/70

"Biokhimiya" Vol XIII, No 2  
Reports experiments carried out using fish fat and  
cow butter. Tabulates results showing effect of  
colamine alone and with ascorbic acid, but ascorbic  
acid alone is natural antioxidant. Ascorbic acid  
oxidation in presence of copper. Ascorbic acid

USSR/Medicine - Colamine  
Medicine - Ascorbic Acid

Mar/Apr 48

3/19/70

BUNYATYAN, G.Kh.; KAMALYAN, G.V.

On the mechanism of the pro-oxidizing effect of the combination of colamine and copper during autooxidation of fats. Biokhimiia, Moskva 15 no.3:283-286 May-June 1950. (CML 20:7)

1. Department of Biochemistry of Yerevan Medical Institute and the Department of Biochemistry of the Zooveterinary Institute.

KAMALYAN, G.V.

Physiological characteristics of colamine and N-acetyl-colamine.  
Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 4 no.6:513-526 '51. (MLRA 9:8)

1. Yerevanskiy zooveterinarnyy institut.  
(Ethanol)

KAMALYAN, <sup>G.</sup> V.

"On the Question of the Role of Calamine in the Organism", a report of Lecturer G.V. Kamalyan heard at the intercollegiate scientific conference of the Azerbaydzhan Agricultural Institute imeni L. P. Beriya, together with the 3revan and Georgian Zooveterinary Institutes, which was held in the city of Kirovabad, and was dedicated to the 32nd Anniversary of the establishment of Soviet power in Azerbaydzhan.

SOURCE: Veterinariya, Vol 29, No 8, pp 60-61, August 1952, uncl; (Trans # 126)

KAMALYAN, Z.

KAMALYAN, G.: Vitamins and avitaminoses of agricultural animals. Yerevan.  
Aypetrat, 1952. 64 pages with illustrations. Price 60 kopeks. 3,000 copies.  
In Armenian.

SO: Veterinariya; 30; (3); March 1953; Uncl. TABCON

KAMALYAN, G.V.

~~When published in the literature:~~

Action of colamine on the oxidation processes in surviving liver and  
kidney tissues. Biokhimiya 18, 191-4 '53. (MLRA 6:4)  
(CA 47 no.18:9502 '53)

1. Zootech. Inst., Yrivan, Armenia.

KAMALYAN, G.V.

Colamine as antagonist to atropine, / Izv.AN Arm.SSR.Biol.i sel'khoz.  
nauki 7 no.4:43-50 Ap '54. (MLRA 9:8)

1. Kafedra biokhimii Yerevanskogo zooveterinarnogo instituta.  
(Ethanol) (Atropine)

Kamalyan, G. V.

Effect of colamine on the function of isolated frog heart on the background of action of cadmium chloride. G. V. Kamalyan and R. V. Davtyan. *Doklady Akad. Nauk Armyan. S.S.R.* 21, No. 3, 113-116 (1955) (in Russian).—Colamine in the concn. range of 10-10,000  $\gamma$ /ml. of Ringer soln. acts on frog heart contraction in a pos., inotropic sense. At higher concns. it shows a neg. inotropic action, while from 15,000  $\gamma$  upward it stops heart action.  $\text{CdCl}_2$  at 1:1000:1:5000 concn. stops the action of the isolated heart, while colamine at 1000-10,000  $\gamma$  concn. restores the action. 1 at 6000  $\gamma$  concn. Thus the heart stoppage by binding of  $\text{Cd}$  groups with  $\text{Cd}$  is restorable not only by addition of cysteine, urea, and guanidine, but also by colamine. G. A. Kozlovskii

①

Glezeran Zoovet Inst.



KAMALYAN, G.V.; VOSKANYAN, V.B.; BADALOVA, L.L.; MELIKYAN, A.O.;  
MRATSAKANYAN, A.A.

Materials on a zootechnical, physiological, and biochemical study  
of the constitution of young cattle of local breeds and their  
crosses with the Schwyz Cattle. Izv.AN Arm.SSR.Biol.i sel'khoz.  
nauki. 9 no.4:3-16 Ap '56. (MLBA 9:8)

1. Yerevanskiy zooveterinarnyy institut.  
(Armenia--Cattle)

KAMALYAN, G. V.

USSR/Pharmacology, Toxicology. Diuretics

U-7

Abs Jour : Ref Zhur - Biol., No 4, 1958, No 17738

Author : Kamalyan G.V., Barsegyan G.V.

Inst : Yerevan Zooveterinary Institute

Title : The Effect of Choline on the Function of Kidneys.

Orig Pub : Tr. Yerevansk. zoovet. in-ta, 1956, vyp. 20, 9-15

Abstract : It was found in experiments of dogs with externalised ureters that choline, when administered subcutaneously in 100 mg doses and in 1 mg doses internally increased diuresis by 20-45% of the initial level and raised the elimination of chlorine in the urine; the chlorides in the blood decreased. This action was dependent on the increased filtration in the renal glomeruli. The excretion of R with the urine decreased, the phosphates in the blood increased, the cause of which was the intensification of the reabsorption of the phosphates.

Card : 1/1

KAMALYAN, G.V., professor.

Use of colamine in atonia of the forestomach and in gastroenteritis  
in animals. Veterinariia 33 no.6:55-56 Jo '56. (MLRA 9:8)

1. Yerevanskiy zooveterinarnyy institut.  
(Stomach--Diseases) (Ethanol--Therapeutic use)

KAMALYAN, G.V.; BARSEGYAN, G.V.

Effect of colamine on phosphorus metabolism [with summary in English]. Biokhimiia 22 no.6:971-975 N-D '57. (MIRA 11:2)

1. Kafedra biokhimii Yerevanskogo zoovetinstituta.  
(AMINO ALCOHOLS, effects,  
colamine, on phosphorus metab. (Rus))  
(PHOSPHORUS, metabolism,  
eff. of colamine (Rus))

USSR / General Problems of Pathology. Immunity.

U

Abs Jour : Ref. Zhur. - Biologiya, No. 3, 1959 13432

Author : Kamalyan, G. V.; Mnatsakanyan, A. A.;  
Konstanyan, A. A.

Inst : Academy of Sciences Armenian SSR  
Title : The Influence of Certain Biogenic Amines on the  
Displacements of Protein Fractions of Blood and  
the Stimulation of Agglutinins Formation. Re-  
port I. The Influence of Colamine and Acetyl-  
choline on the Stimulation of Agglutinin Forma-  
tion and Displacements of Protein Fractions of  
the Blood of Rabbits by Vaccination with Para-  
typhoid Vaccine.

Orig Pub : Dokl. AN ArmSSR, 1957, 25, No. 2, 69-73

Abstract : The immunization of rabbits was conducted with

Card 1/2

KAMALYAN, G.V.; MHATSAKANYAN, A.A.; KOSTANYAN, A.A.

Effect of some biogenic amines on shifts in the blood protein fractions and their stimulating influence on agglutinin formation. Izv.AN Arm.SSR.Biol. i sel'khoz.nauki 11 no.11: 47-54 N '58. (MIRA 11:12)

1. Yerevanskiy zooveterinarnyy institut.  
(VACCINATION) (ETHANOL)

USSR/Pharmacology and Toxicology - Various Preparations.

V-7

Abs Jour : Ref Zhur - Biol., No 21, 1958, 98571

Author : Kamalyan, G.V.

Inst :

Title : On the Pharmacology of Colamine.

Orig Pub : Farmakol. i toksikologiya, 1958, 21, No 1, 79-80

Abstract : Colamine (I) is a biogenic amine, is a part of animal and vegetative unsaturated phosphatides and is discovered in the free state in the brain and liver. In experiments on farm animals, the influence of I on some biochemical indexes of blood was studied. I increases the sugar level in blood, does not influence the amount of proteins, calcium and potassium ions, and does not change the alkali reserve. I does not induce negative changes either in the amount of formal elements or in the blood picture. I induces contraction of isolated intestine of guinea pig, acting similarly to choline; it also increases considerably the

Card 1/2

*Chair Biochem. Yerevan Zoovet. Inst*

- 26 -

KAMALYAN, G.V.; GASPARYAN M.G.; DAVTYAN, L.V.

Effect of some biogenetic amines and their derivatives on the processes of phosphorylation and oxidative phosphorylation in the organism. Dokl. AN Arm. SSR 27 no.2:87-92 '58. (MIRA 11:10)

1.Yerevanskiy zootekhnicheskoye-veterinarnyy institut. Predstavlene G.Kh. Bunyatyanom.  
(Phosphorylation) (Ethanol)



KAMALYAN, G.V.; GASPARYAN, M.G.; BARSEGYAN, G.V.

Action of some biogenous amines and their derivatives on phosphorylation and oxidative phosphorylation processes in the organism. Report No.2. Dokl.AN Arm.SSR 27 no.5:295-300 '58.  
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